

Aim

To write a Pandas program that displays the details of jobs in descending sequence based on job title.

Algorithm

1. Import the Pandas library
2. Create a DataFrame with the given job data
3. Sort the DataFrame by the JOB_TITLE column in descending order
4. Display the sorted DataFrame

Code

```
import pandas as pd

data = {
    'JOB_ID': ['AD_PRES', 'AD_VP', 'AD_ASST', 'FI_MGR', 'FI_ACCOUNT', 'AC_MGR',
'AC_ACCOUNT', 'SA_MAN', 'SA_REP', 'PU_MAN', 'PU_CLERK', 'ST_MAN', 'ST_CLERK',
'SH_CLERK', 'IT_PROG', 'MK_MAN', 'MK_REP', 'HR_REP', 'PR_REP'],
    'JOB_TITLE': ['President', 'Administration Vice President', 'Administration
Assistant', 'Finance Manager', 'Accountant', 'Accounting Manager', 'Public
Accountant', 'Sales Manager', 'Sales Representative', 'Purchasing Manager',
'Purchasing Clerk', 'Stock Manager', 'Stock Clerk', 'Shipping Clerk', 'Programmer',
'Marketing Manager', 'Marketing Representative', 'Human Resources Representative',
'Public Relations Representative'],
    'MIN_SALARY': [20080, 15000, 3000, 8200, 4200, 8200, 4200, 10000, 6000, 8000,
2500, 5500, 2008, 2500, 4000, 9000, 4000, 4000, 4500],
    'MAX_SALARY': [40000, 30000, 6000, 16000, 9000, 16000, 9000, 20080, 12008, 15000,
5500, 8500, 5000, 5500, 10000, 15000, 9000, 9000, 10500]
}
df = pd.DataFrame(data)
df_sorted = df.sort_values(by='JOB_TITLE', ascending=False)
print(df_sorted.to_string(index=False))
```

Output

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
ST_MAN	Stock Manager	5500	8500
ST_CLERK	Stock Clerk	2008	5000
SH_CLERK	Shipping Clerk	2500	5500
SA_REP	Sales Representative	6000	12008
SA_MAN	Sales Manager	10000	20080
PU_MAN	Purchasing Manager	8000	15000
PU_CLERK	Purchasing Clerk	2500	5500
PR_REP	Public Relations Representative	4500	10500
AC_ACCOUNT	Public Accountant	4200	9000
IT_PROG	Programmer	4000	10000

AD_PRES	President	20080	40000
MK_REP	Marketing Representative	4000	9000
MK_MAN	Marketing Manager	9000	15000
HR_REP	Human Resources Representative	4000	9000
FI_MGR	Finance Manager	8200	16000
AD_VP	Administration Vice President	15000	30000
AD_ASST	Administration Assistant	3000	6000
AC_MGR	Accounting Manager	8200	16000
FI_ACCOUNT	Accountant	4200	9000

Result

The program successfully displays job details sorted in descending order by job title using Pandas DataFrame operations.